Contents

Volume 44 Number 1 March 2006

Policy piece

1 *Jon C. Lovett, Claire H. Quinn, David G. Ockwell and Robbie Gregorowski:* Two cultures and tragedy of the commons

Original articles

6 *G. John Measey, John Mejissa and Hendrik Müller:* Notes on the distribution and abundance of the caecilian *Boulengerula uluguruensis* (Amphibia: Gymnophiona: Caeciliidae) in the Uluguru Mountains, Tanzania

14 *Robert Bitariho, Alastair McNeilage, Dennis Babaasa and Robert Barigyira:* Plant harvest impacts and sustainability in Bwindi Impenetrable National Park, S.W. Uganda

22 *Paul Ssegawa and David N. Nkuutu:* Diversity of vascular plants on Ssese islands in Lake Victoria, central Uganda

30 *M. Njiru, J. E. Ojuok, J. B. Okeyo-Owuor, M. Muchiri, M. J. Ntiba and I. G. Cowx:* Some biological aspects and life history strategies of Nile tilapia *Oreochromis niloticus* (L.) in Lake Victoria, Kenya

38 *Monica Frances Poelchau and Shahroukh Mistry:* Forb diversity and community similarity of kopjes in the Serengeti National Park, Tanzania

47 *Peter Tattersfield, Mary B. Seddon, Christine Ngereza and Ben Rowson:* Elevational variation in diversity and composition of land-snail faunas in a Tanzanian forest

61 *A. J. Mills:* The role of salinity and sodicity in the dieback of *Acacia xanthophloea* in Ngorongoro Caldera, Tanzania

72 *Anke Hoffmann, Katja Eckhoff and Hans Klingel:* Spatial and temporal patterns in *Arvicanthis niloticus* (Desmarest, 1822) as revealed by radio-tracking

77 *Erin E. Boydston, Karen M. Kapheim and Kay E. Holekamp:* Patterns of den occupation by the spotted hyaena (*Crocuta crocuta*)

87 *Linda C. Heilmann, Karen de Jong, Peter C. Lent and Willem F. de Boer:* Will tree euphorbias (*Euphorbia tetragona* and *Euphorbia triangularis*) survive under the impact of black rhinoceros (*Bicornis diceros minor*) browsing in the Great Fish River Reserve, South Africa?

95 *Oumar Bouare:* A policy tool for establishing a balance between wildlife habitat preservation and the use of natural resources by rural people in South Africa

Notes and records

102 *Justus Rutaisire, Ruth T. Muwazi and Anthony J. Booth:* Ultrastructural description of spermiogenesis and spermatozoa in *Labeo victorianus*, Boulenger, 1901 (Pisces: Cyprinidae)

106 *Clay E. Corbin and Norbert J. Cordeiro:* Gliding characteristics of Lord Derby's Anomalure (*Anomalurus derbianus*) in Tanzania

109 *Simon Hollamby, Josephine Afema-Azikuru, Samuel Waigo, Kenneth Cameron, A. Rae Gandolf and James G. Sikarskie:* African fish eagle nest site characteristics within Uganda

Volume 44 Number 2 June 2006

Policy piece

113 *Jon C. Lovett and Andrew R. Marshall:* Why should we conserve primates?

Review article

116 *Colin A. Chapman, Michael J. Lawes and Harriet A. C. Eeley:* What hope for African primate diversity?

Original articles

134 *Nike Doggart, Andrew Perkin, Jacob Kiure, Jon Fjeldså, John Poynton and Neil Burgess:* Changing places: how the results of new field work in the Rubeho Mountains influence conservation priorities in the Eastern Arc Mountains of Tanzania

145 *Jesse D. M. Schwartz, Marla J. Pallin, Robert H. Michener, Dismiss Mbabazi and Les Kaufman:* Effects of Nile perch, *Lates niloticus*, on functional and specific fish diversity in Uganda's Lake Kyoga system

157 *Daniel Aleper and Stein R. Moe:* The African savannah elephant population in Kidepo Valley National Park, Uganda: changes in size and structure from 1967 to 2000

165 *Lindsay O'Reilly, Darcy Ogada, Todd M. Palmer and Felicia Keesing:* Effects of fire on bird diversity and abundance in an East African savanna

171 *Seif Madoffe, Gerard D. Hertel, Paul Rodgers, Barbra O'Connell and Raymond Killenga:* Monitoring the health of selected eastern arc forests in Tanzania

178 *Jørn Stave, Gufu Oba, Inger Nordal and Nils Chr. Stenseth:* Seedling establishment of *Acacia tortilis* and *Hyphaene compressa* in the Turkwel riverine forest, Kenya

186 *Herbert H.T. Prins, Willem F. de Boer, Herman van Oeveren, Augusto Correia, Jorge Mafuca and Han Olff:* Co-existence and niche segregation of three small bovid species in southern Mozambique

199 *Lindah Mhlanga, Jenny Day, Moses Chimbari, Nqobizitha Siziba and Gertrud Cronberg:* Observations on limnological conditions associated with a fish kill of *Oreochromis niloticus* in Lake Chivero following collapse of an algal bloom

209 *Jeremiah S. Lwanga:* The influence of forest variation and possible effects of poaching on duiker abundance at Ngogo, Kibale National Park, Uganda

219 *Johanna K. Kolehmainen and Pia Mutikainen:* Reproductive ecology of three endangered African violet (*Saintpaulia* H. Wendl.) species in the East Usambara Mountains, Tanzania

228 *Marie-Claire Knoop and Norman Owen-Smith:* Foraging ecology of roan antelope: key resources during critical periods

237 *Gemedo Dalle, Brigitte L. Maass and Johannes Isselstein:* Encroachment of woody plants and its impact on pastoral livestock production in the Borana lowlands, southern Oromia, Ethiopia

247 *Tammie K. Matson, Anne W. Goldizen, Peter J. Jarman and Anthony R. Pople:* Dispersal and seasonal distributions of black-faced impala in the Etosha National Park, Namibia

256 *David C. Hartnett, Moffat P. Setshogo and Harmony J. Dalgleish:* Bud banks of perennial savanna grasses in Botswana

264 *Ursula Karlowski:* Afromontane old-field vegetation: secondary succession and the return of indigenous species

Notes and records

273 *Megan E. Griffiths and Michael J. Lawes:* Scarification and maternal plant effects on seedling emergence in *Ziziphus mucronata* (Rhamnaceae)

277 *Grzegorz Kopij:* The grey rhebok *Pelea capreolus* in Sehlabathebe National Park, Lesotho

279 *Dereck Joubert:* Hunting behaviour of lions (*Panthera leo*) on elephants (*Loxodonta africana*) in the Chobe National Park, Botswana

282 *Charles Mwithali M'Erimba, Jude Mutuku Mathooko and Maria Leichtfried:* Variations in coarse particulate organic matter in relation to anthropogenic trampling on the banks of the Njoro River, Kenya

286 *Charles N. Lange and Joseph Mugambi:* The butterflies of Mkogodo forests, Kenya

290 *Matthias Waltert, Sol Heber, Simone Riedelbauch, James L Lien and Michael Mühlenberg:* Estimates of blue duiker (*Cephalophus monticola*) densities from diurnal and nocturnal line transects in the Korup region, south-western Cameroon

293 *Penn Lloyd:* Density-dependent nest predation: a field test

Obituary

296 *Frederick I. B. Kayanja:* Stuart Keith Eltringham

Volume 44 Number 3 September 2006

Editorial

301 *Jon C. Lovett*

Policy piece

302 *Jon C. Lovett and Mahesh Poudyal:* Terraforming Africa

Review article

305 *Andreas Hemp:* Vegetation of Kilimanjaro: hidden endemics and missing bamboo

Original articles

329 *Werner G. Dörgeloh:* Habitat suitability for tsessebe Damaliscus lunatus lunatus

337 *L. Campbell, R. E. Hecky, D. G. Dixon and L. J. Chapman:* Food web structure and mercury transfer in two contrasting Ugandan highland crater lakes (East Africa)

347 *Berhanu Erko, Fekede Balcha and Demeke Kifle:* The ecology of Biomphalaria sudanica in Lake Ziway, Ethiopia

353 *Emily Fitzherbert, Toby Gardner, Tim R. B. Davenport and Tim Caro:* Butterfly species richness and abundance in the Katavi ecosystem of western Tanzania

363 *Paul W. Webala, George Muriuki, Fredrick Lala and Alice Bett:* The small mammal community of Mukogodo Forest, Kenya

371 *Flora Magige and Ramadhani Senzota:* Abundance and diversity of rodents at the human–wildlife interface in Western Serengeti, Tanzania

379 *Y. Papillon, M. Godron and P. Delattre:* Changes in a Sudano-Sahelian rodent community after slash-and-burn farming (Gonsé Forest, Burkina Faso)

388 *Tubonimi J. K. Ideriah, Victor O. T. Omuaru and Patricia U. Adiukwu:* Soil quality around a solid waste dumpsite in Port Harcourt, Nigeria

395 *Sharon Okanga and Camille Rebelo:* Tick prevalence and species diversity on Aldabran giant tortoises (*Dipsochelys dussumieri*) in relation to host range and host size in a restored ecosystem, Kenya

Notes and records

401 *Annette Olsson, David Emmett, David Henson and Eibleis Fanning:* Activity patterns and abundance of microchiropteran bats at a cave roost in south-west Madagascar

404 *L. C. Foxcroft, W. D. Lotter, V. A. Runyoro and P. M. C. Mattay:* A review of the importance of invasive alien plants in the Ngorongoro Conservation Area and Serengeti National Park

407 *Devolent Mtui and Norman Owen-Smith:* Impact of elephants (*Loxodonta africana*) on woody plants in Malolotja Nature Reserve, Swaziland

410 *Sharon Okanga, Gerald Muchemi, Nicholas Maingi, Eddy Mogoa and Elphas Munene:* Gastrointestinal parasites of free-ranging colobus monkeys (*Colobus angolensis palliatus*) in Kwale District, Kenya coast

413 *C. A. T. Katsvanga, S. M. Mudyiwa and D. Gwenzi:* Bark stripping and population dynamics of baboon troops after chemical control in pine plantations of Zimbabwe

417 *Edmund C. February, André D. Mader and William J. Bond:* Age determination of two South African Acacia species using ring counts and radiocarbon dating

Volume 44 Number 4 December 2006

Policy piece

421 *Jon C. Lovett:* Climate and Society

Original articles

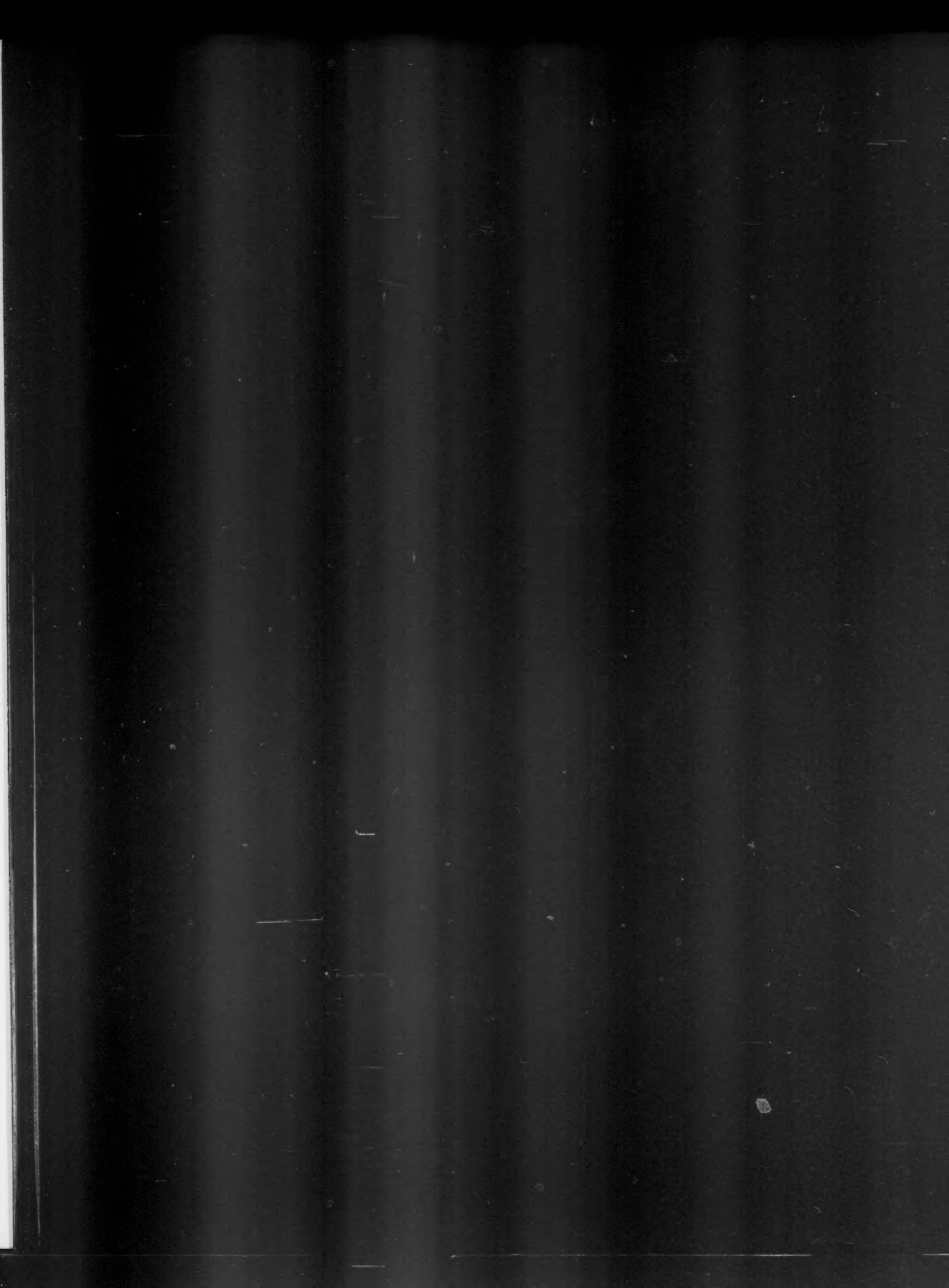
423 *K. J. Nagayi-Yawe, R. Ogutu-Ohwayo, Y. S. Kizito and J. S. Balirwa:* Population characteristics of *Oreochromis esculentus* in the Victoria and Kyoga lake basins. Implications for conservation and improvement of the stocks

431 *W. A. Taylor, J. D. Skinner and R. C. Krecek:* The activity budgets and activity patterns of sympatric grey rhebok and mountain reedbuck in a highveld grassland area of South Africa

438 *Alfred O. Owino and Peter G. Ryan:* Habitat associations of papyrus specialist birds at three papyrus swamps in western Kenya
444 *Francisco Moreira:* Group size and composition are correlated with population density in the group-territorial blue korhaan (*Eupodotis caerulescens*)
452 *Mindy B. Rice and Martin Jones:* Characteristics of black rhinoceros (*Diceros bicornis*) bedding sites
458 *Lindsey Gillson:* A 'large infrequent disturbance' in an East African savanna
468 *Charles K. Meshack, Bhim Ahdikari, Nike Doggart and Jon C. Lovett:* Transaction costs of community-based forest management: empirical evidence from Tanzania
478 *Jon C. Lovett, Andrew R. Marshall and Jeff Carr:* Changes in tropical forest vegetation along an altitudinal gradient in the Udzungwa Mountains National Park, Tanzania
491 *Tobias Lung and Gertrud Schaab:* Assessing fragmentation and disturbance of west Kenyan rainforests by means of remotely sensed time series data and landscape metrics
507 *Muluberhan Hailu Abebe, Gufu Oba, Ayana Angassa and Robert B. Weladji:* The role of area enclosures and fallow age in the restoration of plant diversity in northern Ethiopia
515 *Antoni V. Milewski and Derek Madden:* Interactions between large African browsers and thorny Acacia on a wildlife ranch in Kenya
523 *N. Dharani, J. I. Kinyamario and J. M. Onyari:* Structure and composition of *Acacia xanthophloea* woodland in Lake Nakuru National Park, Kenya
531 *Mnif Lobna and Chaieb Mohamed:* Comparative phenology and growth of four *Cenchrus ciliaris* L. accessions established under arid bioclimate in Tunisia

Notes and records

537 *Martina Trinkel, Paul H. Fleischmann and Gerald Kastberger:* Comparison of land-use strategies of spotted hyenas (*Crocuta crocuta*, Erxleben) in different ecosystems

Book review

540 *Edgar M. Mulogo:* AIDS and the Ecology of Poverty